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(71) Applicant (for all designated States except US): AC IMMUNE SA [CH/CH]; EPFL - PSE Building B, CH-1015 Lausanne (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): NICOLAU, Yves, Claude [FR/CH]; Rte de Fenil 16A, CH-1806 St-Legier (CH). GREFERATH, Ruth [DE/DE]; Friedrchstrasse 22, 77694 Kehl (DE). HICKMAN, David [GB/FR]; 10, rue Ste Madeleine, F-67000 Strasbourg (FR).

(74) Agents: PRATT, John, S. et al.; Kilpatrick Stockton LLP, 1100 Peachtree Street, Suite 2800, Atlanta, GA 30309 (US).

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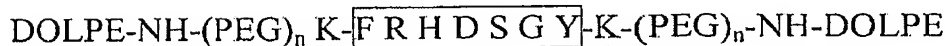
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(54) Title: METHODS AND COMPOSITIONS COMPRISING SUPRAMOLECULAR CONSTRUCTS

Chemically Modified β -amyloid Antigen



G-OH

(57) Abstract: The present invention comprises novel compositions and methods for eliciting high immune responses, of great specificity yielding conformationally sensitive antibodies. These antibodies recognize specific epitopes on a wide variety of antigens including but not limited to, amyloid protein, prion protein, P₁₇₀ glycoprotein. The novel compositions of the invention comprise supramolecular antigenic constructs generally comprising a peptide sequence, covalently attached to pegylated lysine resulting in modified and enhanced peptide presentation. The unique modification methodology of the present invention is applicable to a variety of peptides and can ultimately be employed in therapeutic formulations and vaccines for diseases and disorders such as Alzheimer's disease.



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